



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/942,421	08/30/2001	Paul Shala Henry	2001-0099	7376
7590	08/19/2005			
EXAMINER				
EMDADI, KAMRAN				
ART UNIT		PAPER NUMBER		
		2667		

DATE MAILED: 08/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

SF

Office Action Summary	Application No.	Applicant(s)	
	09/942,421	HENRY ET AL.	
	Examiner	Art Unit	
	Kamran Emdadi	2667	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 30 August 2001.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-9 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 8-30-01.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____.

DETAILED ACTION

Claim Objections

Claim 6 is objected to because of the following informalities: claim 6 depends from claim 4 currently, however it should depend on claim 5 given the antecedent basis it recites. Claim 6 has been treated in this office action as if it depended on claim 5. Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 8-9 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

The “fake ARP reply” is not understood by the Examiner and is not properly enabled by the specification. Page 25 of the specification recites “a fake ARP reply message at 910”, however, this does not enable one of ordinary skill in the art to make and use the invention in correspondence with this feature. A fake ARP is not well known in the art. Therefore, this feature must be properly enabled without adding new matter to the specification or the feature cancelled from the claim language.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 2 and 7, are rejected under 35 U.S.C. 102(e) as being anticipated by Forslow (U.S. Patent Publication No. 2003/0039237).

Regarding claim 1, Forslow teaches a mobile communications network including a mobile station and a method for connecting a mobile station to a network (see [0051]). The method includes assigning an IP address to the mobile station (see [0051]). Forslow further teaches a request to access a network using a configuration protocol DHCP, the IP assignment includes assigning an IP address corresponding to a common subnet mask and sending a reply message to the mobile station (see [0101-0102]). The method further includes using the IP address as the source address for sending data between the network ISP and the mobile device (see [0051]).

Regarding claim 2, Forslow teaches, in addition to the above assigning of an IP address, a DISCOVER, OFFER and REQUEST_DHCP message (see [0103-0104]).

Regarding claim 7, in addition to the above, Forslow teaches a WLAN (see [0107]), and DHCP_DISCOVER, OFFER, REQUEST and ACKNOWLEDGE messages transferred between the mobile unit and the network (see [0103]).

Claims 5-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Ala-Laurila et al. 'Laurila' (U.S. Patent No. 6704789).

Regarding claims 5-6, Laurila teaches receiving a DHCP RELEASE message from a mobile user and deallocating an address used by that user and notifying the user of the deallocation (see column 1, line 65 – column 2, line 6 and column 3, lines 12-24).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 3-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Forslow.

Although, Forslow does not explicitly teach the use of an Ethernet frame containing a DHCP BROADCAST message or a DHCP OFFER message, and a source and destination Ethernet MAC address, the teachings of Forslow do include an Ethernet protocol used for link or physical layers as an adaptable medium for handling the packaging and transmission of data frames (see [0016]). Therefore, it would have been obvious to one of ordinary skill in the art to substitute an Ethernet frame having a source MAC address and destined for another MAC address to include the message types described in Forslow including the DISCOVER and OFFER DHCP messages.

Allowable Subject Matter

Claim 9 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kamran Emdadi whose telephone number is 571-272-6047. The examiner can normally be reached on M-F between the hours of 8am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on 571-272-3179. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kamran Emdadi

August 17, 2005


CHI PHAM
SUPERVISORY PATENT EXAMINEE
TECHNOLOGY CENTER 2000 8/18/05